

FIG. 1

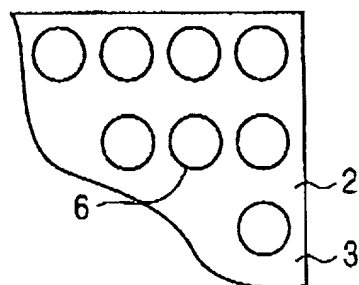
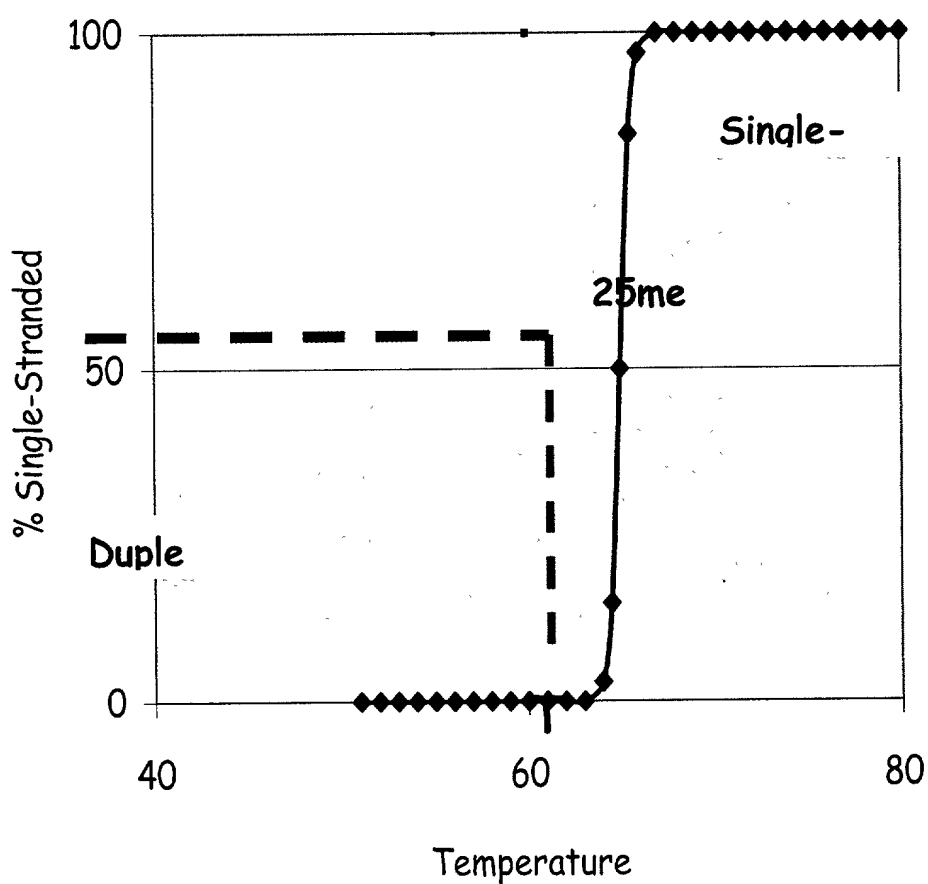


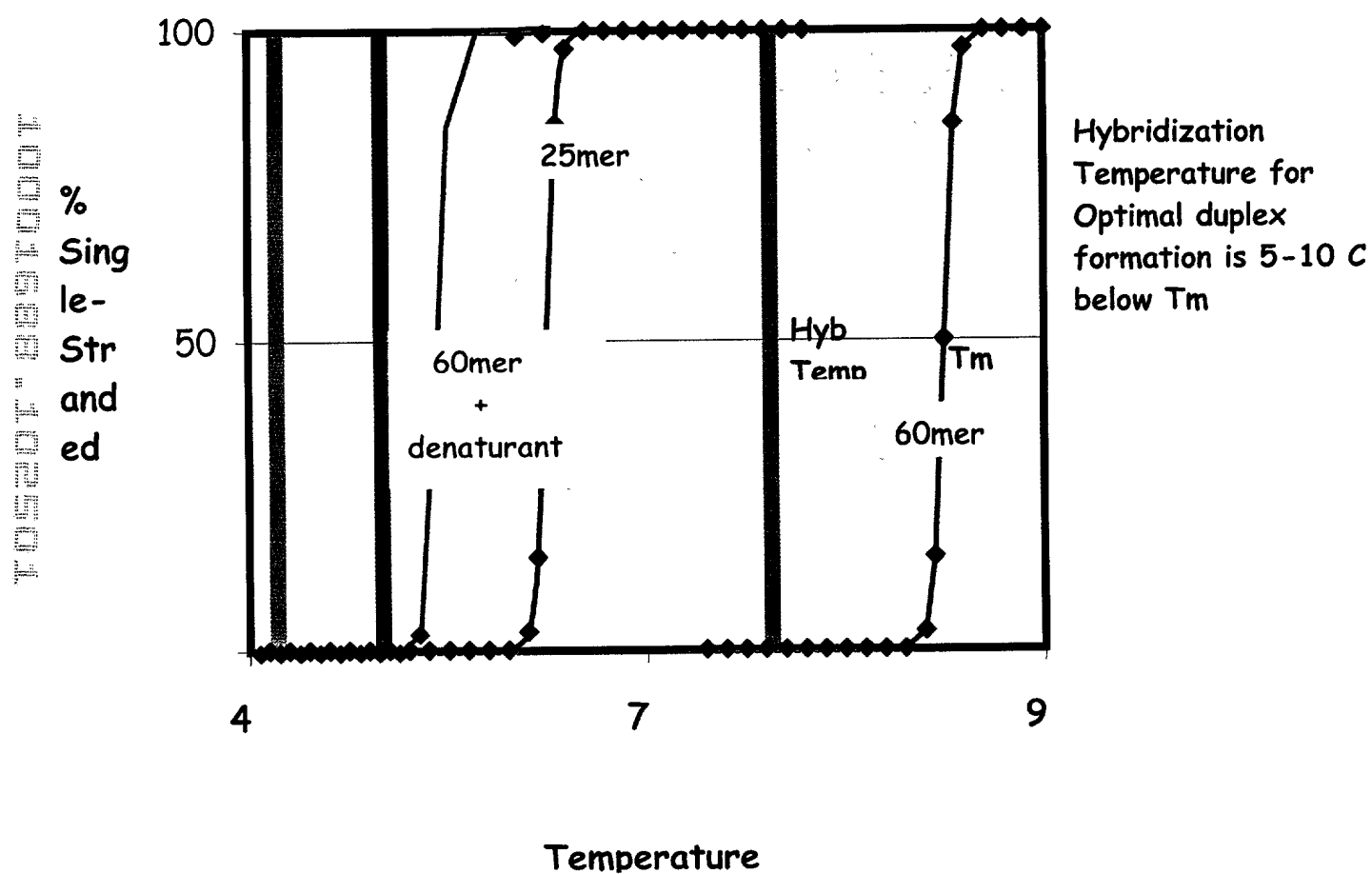
FIG. 2

# FIG. 3 Duplex Denaturation Curve



The stability of the duplex formed upon hybridization can be expressed as a function of the temperature in which 50% of the molecules are hybridized ( $T_m$ )

**FIG. 4 Melting curves for 25, 60 and 60 mer with denaturant**



**FIG. 5 Extrapolation to Predicted Optimum  
for L=60 (50°C)**

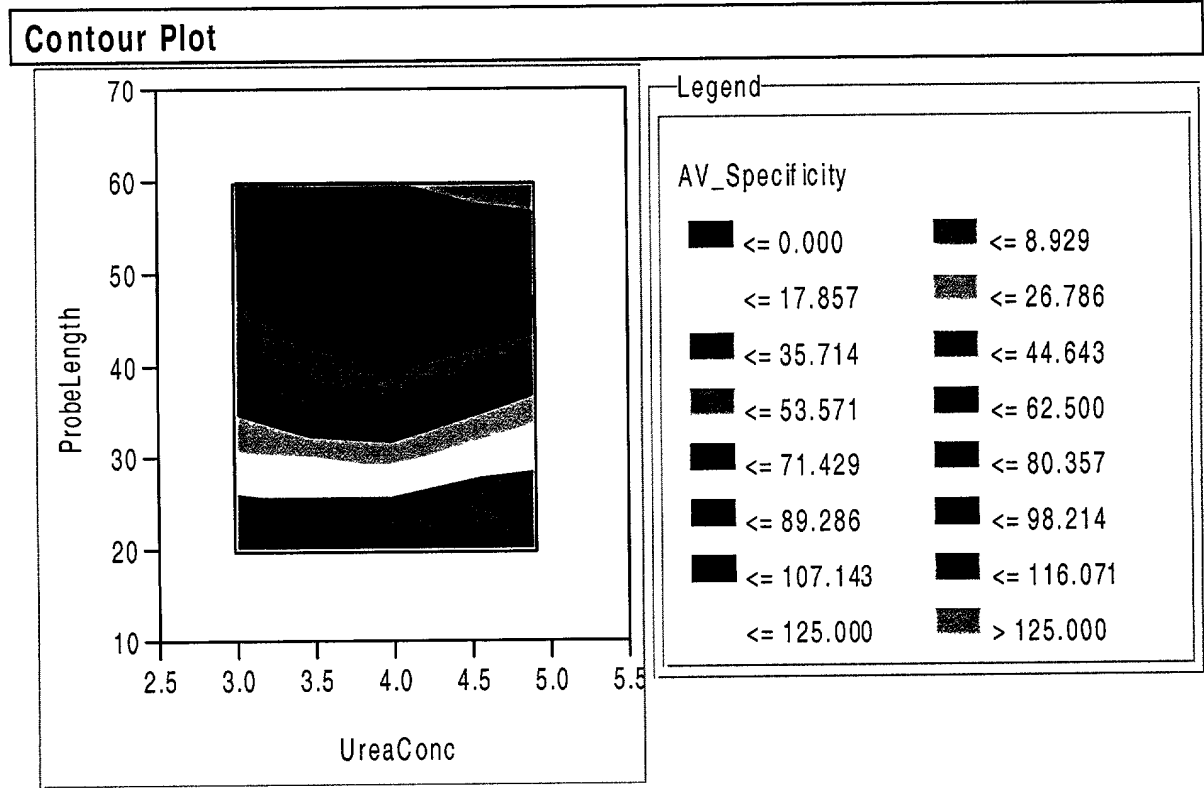
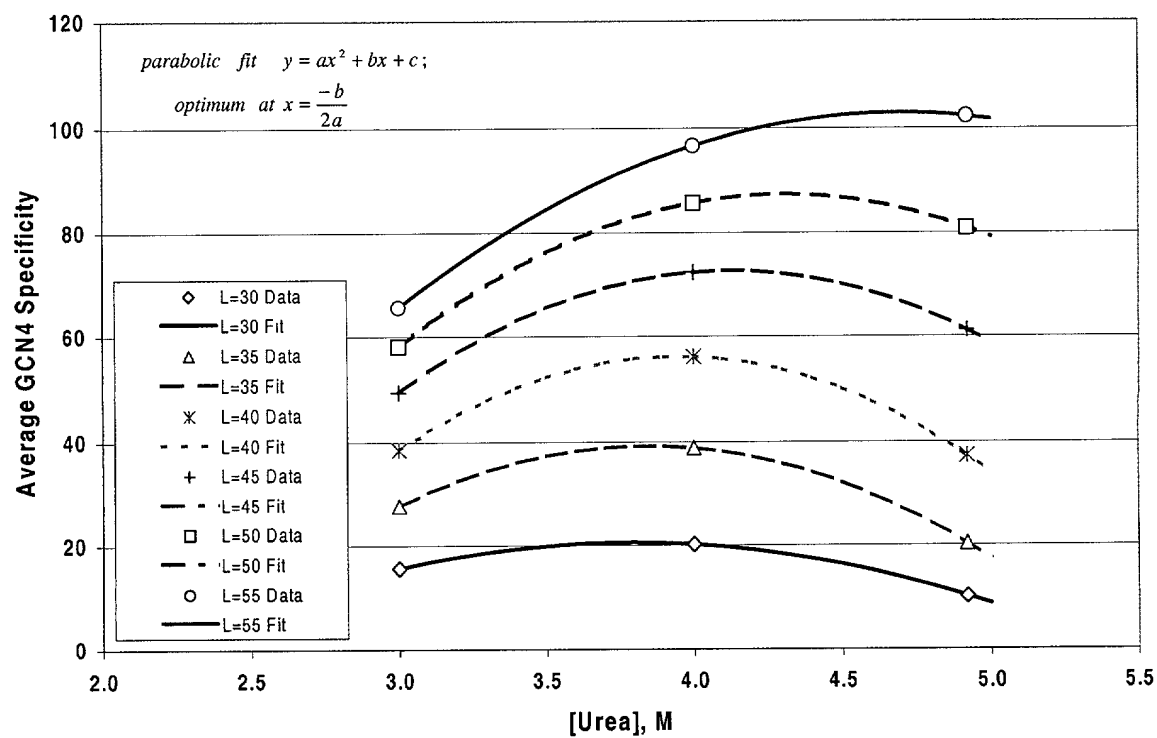
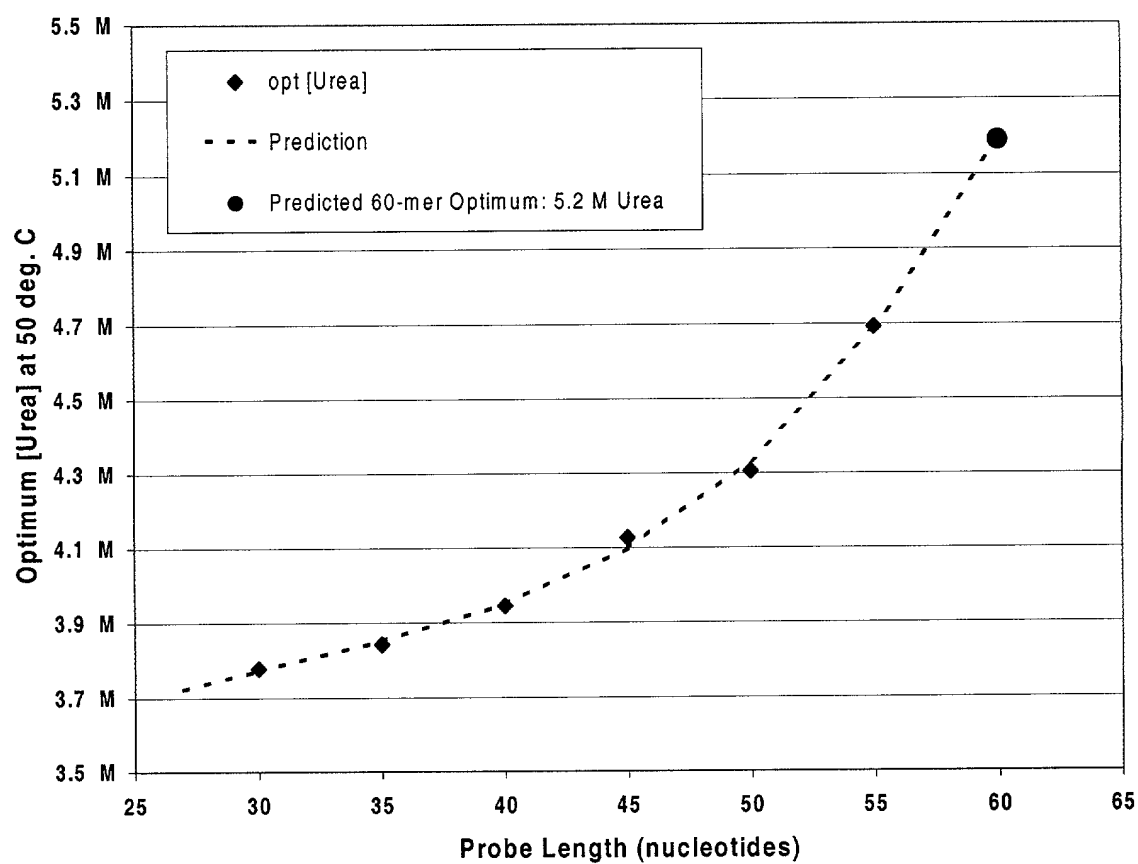


FIG. 6 Optimal Urea Concentrations of 50°C  
Probe Length Series



**FIG. 7 Extrapolated Optimal [Urea] for  
L=60, T=50°C**



# **FIG. 8 Extrapolation to Predicted Optimum for L=60 (50°C)**

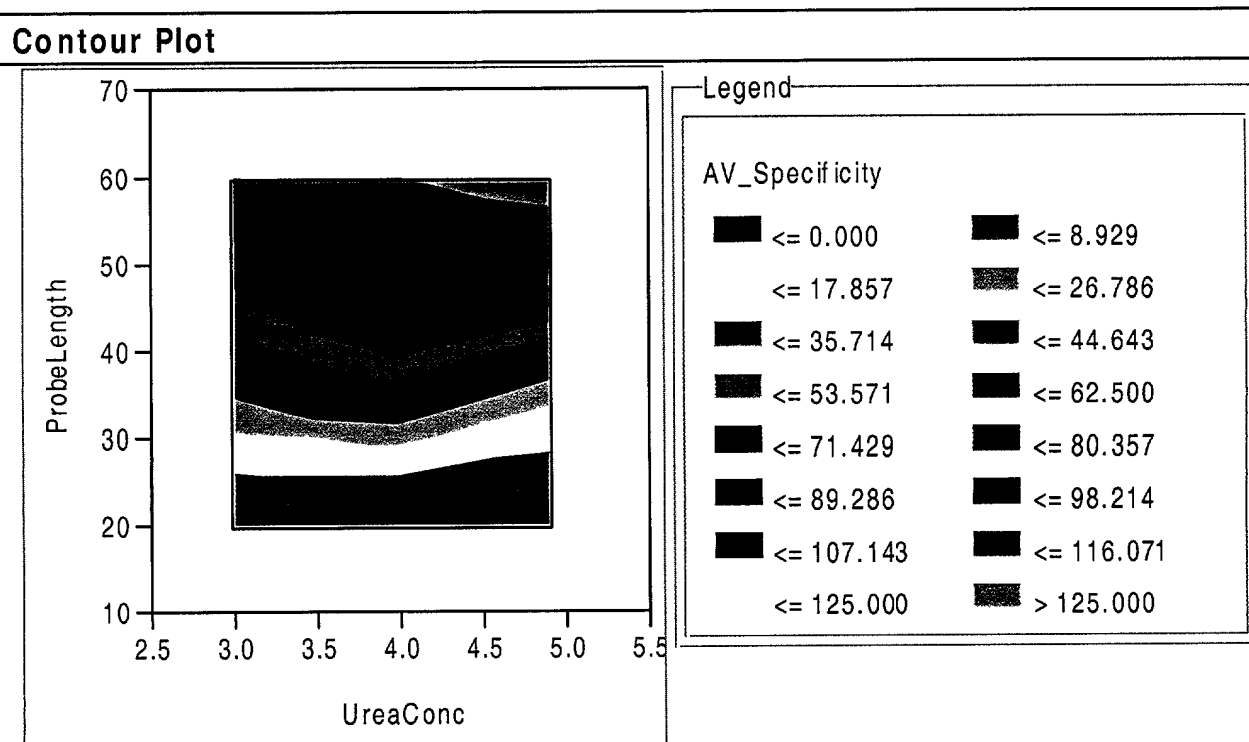


FIG. 8 Extrapolation to Predicted Optimum for L=60 (50°C)

FIG.9 Various Arrays Showing The Addition of The Denaturant

